

GenCore version 5.1.4 p5 4578  
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 11:23:48 ; Search time 4599 Seconds  
(without alignments)  
19090.179 Million cell updates/sec

Title: US-10-006-911-3

Perfect score: 5421

Sequence: 1 cgggggacgggtttttttg . . . . .gtttcaaaaaaa 5421

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters: 102860

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 1000 summaries

Database :

EST.\*  
1: em\_estba.\*  
2: em\_esthum.\*  
3: em\_estin.\*  
4: em\_estmu.\*  
5: em\_estov.\*  
6: em\_estpl.\*  
7: em\_estro.\*  
8: em\_hic.\*  
9: gb\_est1.\*  
10: gb\_est2.\*  
11: gb\_hic.\*  
12: gb\_est3.\*  
13: gb\_est4.\*  
14: gb\_est5.\*  
15: em\_estfun.\*  
16: em\_estom.\*  
17: gb\_gss.\*  
18: em\_gss\_hum.\*  
19: em\_gss\_inv.\*  
20: em\_gss\_pin.\*  
21: em\_gss\_vrt.\*  
22: em\_gss\_fun.\*  
23: em\_gss\_mam.\*  
24: em\_gss\_mus.\*  
25: em\_gss\_other.\*  
26: em\_gss\_pro.\*  
27: em\_gss\_rod.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	36.2	0.7	42	17	AZ796654 2M0052803
2	35.4	0.7	50	14	BQ577141 P1E8Toad1
3	35.2	0.6	40	17	AZ511352 1M0356A24
4	35.2	0.6	43	9	AA773360 ab65h08.s
5	35	0.6	50	17	AZ665271 1M0546C08
6	34.8	0.6	49	9	AA842027 MEAFCE2D0

7	34.8	0.6	49	17	AZ846608
8	34.6	0.6	50	17	AZ374770
9	34.2	0.6	47	17	AZ384467
10	34.2	0.6	47	17	AZ385990
11	34.2	0.6	47	17	AZ831064
12	34.2	0.6	47	17	AZ862836
13	34.2	0.6	47	17	AZ864870
14	34.2	0.6	48	17	AZ979665
15	34.2	0.6	49	9	A1813244 3G2 Pine
16	34.2	0.6	49	10	AV833587 AV833587
17	34.2	0.6	50	17	AZ776590 2M0010A23
18	33.6	0.6	42	10	AV957667 AV957667
19	33.6	0.6	47	10	AV947640 AV947640
20	33.6	0.6	49	10	AV671476 AV671476
21	33.6	0.6	43	17	AZ345546 1M0080C14
22	33.4	0.6	44	10	AV672475 AV672475
23	33.4	0.6	44	10	AV833550 AV833550
24	33.4	0.6	44	17	AZ974573 2M0249A18
25	33.4	0.6	47	10	AV949200 AV949200
26	33.2	0.6	38	17	AZ871535 2M0194N24
27	33.2	0.6	50	17	AZ776790 2M0100C14
28	33.2	0.6	50	17	AZ827028 2M0103M09
29	33	0.6	42	14	T54684 Yb41a05.r1
30	33	0.6	42	17	AZ826548 2M0103I02
31	33	0.6	42	17	AZ941720 2M0201O03
32	33	0.6	46	10	AV963987 AV963987
33	32.8	0.6	38	17	AZ479185 1M0299J11
34	32.6	0.6	39	10	AV673727 AV673727
35	32.6	0.6	39	17	AZ846059 2M0146P07
36	32.6	0.6	30	17	AZ987023 2M0269N24
37	32.6	0.6	41	10	AV672637 AV672637
38	32.6	0.6	49	10	AV965544 AV965544
39	32.4	0.6	47	10	AV955412 AV955412
40	32.2	0.6	37	17	AZ346663 1M0080C01
41	32.2	0.6	38	17	AZ946744 2M0208J12
42	32.2	0.6	45	17	AZ833436 2M0115G01
43	32.2	0.6	49	13	B3000259 B3000259
44	32	0.6	45	10	AV967392 AV967392
45	31.8	0.6	36	17	AZ664037 1M0544E05
46	31.8	0.6	37	17	AZ645311 1M0510K10
47	31.8	0.6	38	17	AZ333216 1M0062M12
48	31.8	0.6	42	17	AZ599801 1M0400M94
49	31.8	0.6	49	10	AV674036 AV674036
50	31.8	0.6	50	2	HS0002946
51	31.6	0.6	39	17	AZ844480 2M0143B07
52	31.4	0.6	50	12	BE976895 b557D03.Y
53	30.8	0.6	34	17	AZ966687 2M0237L17
54	30.8	0.6	36	17	AZ387862 1M0214M22
55	30.8	0.6	45	13	B3000572 B3000572
56	30.4	0.6	50	9	A1755739 E1E8Tea20
57	30.2	0.6	47	10	AW250836 2B2122B.3
58	30.2	0.6	49	9	AA116935
59	30.2	0.6	49	9	A1597576 tr92bc0.x
60	30	0.6	47	2	HS0002960
61	30	0.6	47	17	AZ486785
62	30	0.6	49	2	HS0001347
63	29.8	0.5	33	17	AZ866335 1M0427F12
64	29.8	0.5	33	17	AZ869302 2M0181C20
65	29.8	0.5	33	17	AZ976021 2M0196C23
66	29.8	0.5	33	17	AZ964180 2M0233F17
67	29.8	0.5	34	10	AV962438 AV962438
68	29.8	0.5	43	17	AZ960584 2M0228M07
69	29.8	0.5	44	13	B0001599 B0001599
70	29.8	0.5	49	9	A1270095 qt63c08.x
71	29.8	0.5	50	9	AA966391 w4f01a1.r
72	29.6	0.5	41	17	AZ424284 1M0203M14
73	29.6	0.5	45	10	AW249952 2B21663.3
74	29.6	0.5	49	9	A1431439 th3h10.x
75	29.6	0.5	50	9	AA564185 nj04d11.s
76	29.4	0.5	34	9	AA668112 AL668112
77	29.4	0.5	46	17	AZ353297 2M02218A04
78	29.4	0.5	49	9	AL048743 DFFP546E
79	29.4	0.5	49	10	AV836215 AV836215

C	80	29.4	0.5	49	12	BP343486	602017592	C	153	27.8	0.5	49	9	AA589132	vi53g09.r
C	81	29.4	0.5	50	9	AA589098	AL500598	C	154	27.8	0.5	49	12	BP290798	PA590798 AL184119
C	82	29.4	0.5	50	9	AA590944	vm25f02.r	C	155	27.8	0.5	50	9	AA853120	AA853120 NHTBCae03
C	83	29.4	0.5	50	12	BQ40128	gb96e03.y	C	156	27.8	0.5	50	9	AL802194	AL802194 AL802194
C	84	29.4	0.5	50	13	RI491716	df14b04.y	C	157	27.8	0.5	50	10	AW215755	AW215755 up09f10.y
C	85	29.2	0.5	34	17	AZ966348	2M0236J13	C	158	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	86	29.2	0.5	43	17	AZ966348	2M0236J13	C	159	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	87	29.2	0.5	49	9	AA554833	mz78d07.r	C	160	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	88	29.4	0.5	50	2	HSN003683	Hom0 sap1	C	161	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	89	29.4	0.5	50	2	AA345558	1M008071f	C	162	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	90	29.4	0.5	37	10	AV673465	AV673465	C	163	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	91	29.4	0.5	42	12	BQ292448	602386574	C	164	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	92	29.4	0.5	42	12	BQ292448	602386574	C	165	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	93	29.4	0.5	42	12	BQ292448	602386574	C	166	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	94	29.4	0.5	43	13	BQ292448	602386574	C	167	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	95	29.4	0.5	43	13	BQ292448	602386574	C	168	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	96	29.4	0.5	44	9	AL640163	AL640163	C	169	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	97	29.4	0.5	45	12	BP256584	602069777	C	170	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	98	29.4	0.5	45	12	BP256584	602069777	C	171	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	99	29.4	0.5	45	13	BP335982	BP337242	C	172	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	100	29.4	0.5	48	9	AL628936	AL628936	C	173	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	101	29.4	0.5	49	9	AA350847	gt1e09a.x	C	174	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	102	29.4	0.5	49	13	BP090256	602855121	C	175	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	103	29.4	0.5	49	13	BP090256	602855121	C	176	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	104	29.4	0.5	50	9	AL644181	AL644181	C	177	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	105	29.4	0.5	50	12	BP256584	602370419	C	178	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	106	29.4	0.5	50	13	RI493940	df1060610	C	179	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	107	29.4	0.5	50	13	RI493940	df1060610	C	180	27.8	0.5	50	14	BQ258029	BQ258029 NISC kp08
C	108	29.4	0.5	50</											

C 226	26.4	0.5	50	10	AW333255	AW333255 S1B3 AGS	293	25.2	0.5	49	12	BF692288	BF692288 602242127
C 227	26.4	0.5	50	14	N67606	N67606 Y-42302.s1	301	25.2	0.5	49	12	BF017790	BF017790 ux75305.y
C 228	26.2	0.5	32	17	AZ329877	AZ329877 IM0054107	303	25.2	0.5	49	13	BI233339	BI233339 6C2942804
C 229	26.2	0.5	32	17	AZ351185	AZ351185 IM0054107	302	25.2	0.5	50	9	AJ500405	AJ500405 AJ500405
C 230	26.2	0.5	40	10	AV833442	AV833442 AV833442	303	25.2	0.5	50	9	AJ500405	AJ500405 AJ500405
C 231	26.2	0.5	40	17	AZ789792	AZ789792 2M0037319	304	25.2	0.5	50	14	BQ315535	BQ315535 NISC mq19
C 232	26.2	0.5	42	2	HSM001513	A1037188 Homo sapi	305	25.2	0.5	50	14	BQ315535	BQ315535 NISC mq19
C 233	26.2	0.5	44	10	AW332205	AW332205 S5E10 AGS	306	25.2	0.5	50	14	BQ315535	BQ315535 NISC mq19
C 234	26.2	0.5	44	13	BS050937	BS050937 BS050937	307	25.2	0.5	50	14	BQ315535	BQ315535 NISC mq19
C 235	26.2	0.5	44	13	BS050937	BS050937 BS050937	307	25.2	0.5	50	14	BQ315535	BQ315535 NISC mq19
C 236	26.2	0.5	45	2	HSM002199	A1037866 Homo sapi	308	25.2	0.5	38	17	AL5945733	AL5945733 2M0207B13
C 237	26.2	0.5	49	9	A1350847	A1350847 qt11e08.x	309	25.2	0.5	38	2	HSM002249	AL1037916 Homo sapi
C 238	26.2	0.5	50	9	AA607953	AA607953 vm39h06.x	310	25.2	0.5	43	9	AL636467	AL636467 AL636467
C 239	26	0.5	35	12	BE894837	BE894837 601434018	311	25.2	0.5	44	9	AL587842	AL587842 AL587842
C 240	26	0.5	39	17	TA116F09P	TA116F09P T. brucei	312	25.2	0.5	46	9	AL681169	AL681169 AL681169
C 241	26	0.5	40	9	AL449576	AL449576 AL449576	313	25.2	0.5	47	9	AL637881	AL637881 AL637881
C 242	26	0.5	40	9	AL804001	AL804001 AL804001	314	25.2	0.5	47	13	B3047667	B3047667 B3047667
C 243	26	0.5	42	17	AZ345455	AZ345455 IM0080J12	315	25.2	0.5	49	9	AL1270095	AL1270095 qt43c8.x
C 244	26	0.5	43	17	AZ611889	AZ611889 IM0438E01	316	25.2	0.5	49	12	BQ409272	BQ409272 9B22108.y
C 245	26	0.5	43	9	AL797532	AL797532 AL797532	317	25.2	0.5	50	13	BI865491	BI865491 f-23412.x
C 246	26	0.5	46	2	HSM002006	BE880865 601490408	318	24.8	0.5	28	17	AZ462549	AZ462549 1M0271N02
C 247	26	0.5	49	9	AA852759	AA852759 NHTBcae15	319	24.8	0.5	28	17	AZ860236	AZ860236 1M0271N02
C 248	26	0.5	50	2	HSM009683	AL1044833 Homo sapi	320	24.8	0.5	28	17	AZ943139	AZ943139 2M0233H17
C 249	26	0.5	50	9	AU107225	AU107225 AU107225	321	24.8	0.5	36	12	BE894682	BE894682 601435925
C 250	26	0.5	50	9	AA564185	AA564185 nj04d11.s	322	24.8	0.5	37	9	AL048768	AL048768 601435925
C 251	26	0.5	50	12	BF029726	BF029726 nj04d11.s	323	24.8	0.5	38	13	BE923936	BE923936 6C1823814
C 252	25.8	0.5	38	17	TA264B08P	TA264B08P T. brucei	324	24.8	0.5	38	13	BE923936	BE923936 6C1823814
C 253	25.8	0.5	46	9	TA132556	TA132556 th48e11.x	325	24.8	0.5	38	13	BE923936	BE923936 6C1823814
C 254	25.8	0.5	48	17	AZ345504	A							

C 372	24.6	0.5	50	17	A7627160	A2627160	1M0467109	C 445	24	0.4	32	10	AM327277	AM327277	d391d37 x
C 373	24.4	0.5	26	2	HSM003162	AL038696	Homo sapi	446	24	0.4	32	17	A2459336	A2459336	1M0264M16
C 374	24.4	0.5	30	17	A2962183	A2962183	2M0233124	C 447	24	0.4	32	17	A2478832	A2478832	1M0288F14
C 375	24.4	0.5	34	17	A2465350	1M075012		448	24	0.4	32	17	A2611890	A2611890	1M0438E02
C 376	24.4	0.5	34	17	A2501040	1M0339P09		C 449	24	0.4	32	17	A2778018	A2778018	2M0013020
C 377	24.4	0.5	34	17	A27909643	A2809643	2M0073C14	450	24	0.4	33	9	AL587609	AL587609	AL587609
C 378	24.4	0.5	39	13	BJ081937	BJ081937	BJ081937	451	24	0.4	33	17	A2486795	A2486795	1M0311F22
C 379	24.4	0.5	40	17	A2432628	A2432628	1M0272B01	452	24	0.4	33	17	A2627839	A2627839	1M0474B02
C 380	24.4	0.5	42	17	A2625468	A2625468	1M0464N22	453	24	0.4	34	9	AL587876	AL587876	AL587876
C 381	24.4	0.5	42	12	RG502943	RG502943	602550F09	C 454	24	0.4	34	12	BG113023	BG113023	602550F09
C 382	24.4	0.5	43	17	A2576593	A2576593	AST-TD1.2	455	24	0.4	35	17	A2956924	A2956924	2M0221207
C 383	24.4	0.5	43	17	A2620145	A2620145	1M0452D15	456	24	0.4	38	13	BJ066969	BJ066969	2M0221207
C 384	24.4	0.5	43	17	A2836058	A2836058	2M0130G12	457	24	0.4	40	9	AL804001	AL804001	AL804001
C 385	24.4	0.5	43	17	RH88835	BH88835	3526.1.30	458	24	0.4	40	10	AM334967	AM334967	541D12 AG
C 386	24.4	0.5	43	17	RH88835	BH88835	3526.1.30	459	24	0.4	41	17	A2600865	A2600865	1M0423F03
C 387	24.4	0.5	45	12	EG660979	EG660979	EG660979	C 460	24	0.4	42	17	A2473630	A2473630	1M0288F10
C 388	24.4	0.5	46	12	BG110636	BG110636	602611H13	461	24	0.4	43	9	AL797532	AL797532	AL797532
C 389	24.4	0.5	48	2	HSM002293	AL037959	Homo sapi	462	24	0.4	45	9	AL587540	AL587540	AL587540
C 390	24.4	0.5	48	17	AQ026463	AQ026463	EP(2)0641	463	24	0.4	45	14	T66373	T66373	Y078606.11
C 391	24.4	0.5	49	2	HSM000930	AL045989	Homo sapi	464	24	0.4	45	17	A2467950	A2467950	1M0370107
C 392	24.4	0.5	49	9	AA852759	AA852759	NH852759	465	24	0.4	46	2	HSM003129	HSM003129	HSM003129
C 393	24.4	0.5	49	13	B1865513	B1865513	ft34D06 x	466	24	0.4	46	2	HSM003158	HSM003158	HSM003158
C 394	24.4	0.5	50	13	B1496942	B1496942	df129G10.	467	24	0.4	46	13	BI094742	BI094742	EST CD34M
C 395	24.4	0.5	50	14	BQ392292	BQ392292	NISC mq23	468	24	0.4	47	2	HSM003907	HSM003907	HSM003907
C 396	24.2	0.4	29	17	A2455946	A2455946	1M0258101	C 469	24	0.4	47	2	HSM003960	HSM003960	HSM003960
C 397	24.2	0.4	29	17	A2819924	A2819924	2M0091A19	470	24	0.4	47	9	AL660493	AL660493	AL660493
C 398	24.2	0.4	30	12	RG865511	RG865511	602781643	471	24	0.4	47	10	AV971035	AV971035	AV971035
C 399	24.2	0.4	31	12	BQ392912	BQ392912	602389549	472	24	0.4	47	13	BJ047667	BJ047667	BJ047667
C 400	24.2	0.4	37	10	AV932911	AV932911	AV932911	473	24	0.4	48	9	AL643160	AL643160	AL643160
C 401	24.2	0.4	37	17	A2824300	A2824300	2M0098017	474	24	0.4	48	9	HSM003347	HSM003347	HSM003347
C 402	24.2	0.4	38	12	BF526154	BF526154	602071057	C 475	24	0.4	49	9	AI308161	AI308161	2M02507.1
C 403	24.2	0.4	39	2	HSM002488	AL038149	Homo sapi	476	24	0.4	49	9	AI316598	AI316598	AI316598
C 404	24.2	0.4	39	9	AL636986	AL636986	AL636986	477	24	0.4	49	9	AI439346	AI439346	ti54f05.x
C 405	24.2	0.4	39	9	AL660986	AL660986	AL660986	478	24	0.4	49	9	AL653092	AL653092	AL653092
C 406	24.2	0.4	39	12	RG387495	RG387495	602384505	C 479	24	0.4	49	9	AL658128	AL658128	AL658128
C 407	24.2	0.4	40	2	HSM002456	AL038117	Homo sapi	C 480	24	0.4	50	2	HSM003079	HSM003079	HSM003079
C 408	24.2	0.4	40	12	RG166502	RG166502	602339795	481	24	0.4	50	2	HSM003246	HSM003246	HSM003246
C 409	24.2	0.4	40	12	BF213125	BF213125	601844961	482	24	0.4	50	9	AI282566	AI282566	AI282566
C 410	24.2	0.4	42	2	HSM011033	AL046183	Homo sapi	483	24	0.4	50	10	AV957350	AV957350	AV957350
C 411	24.2	0.4	42	10	AW698626	AW698626	9578.11an	C 484	24	0.4	50	10	BE106432	BE106432	BE106432
C 412	24.2	0.4	42	12	RG324448	RG324448	602386574	485	24	0.4	50	14	RG7696	RG7696	Y242502.61
C 413	24.2	0.4	42	12	PF343329	PF343329	602015993	486	23.8	0.4	50	14	RG3082	RG3082	YH17497.61
C 414	24.2	0.4	43	12	BE028362	BE028362	602295420	487	23.8	0.4	50	17	A2633991	A2633991	1M0474B21
C 415	24.2	0.4	43	13	BI008638	BI008638	603066333	488	23.8	0.4	50	17	A2641721	A2641721	2M0210004
C 416	24.2	0.4	44	9	AL647842	AL647842	AL647842	489	23.8	0.4	50	17	A2675621	A2675621	2M0234B14
C 417	24.2	0.4	44	9	AL640163	AL640163	AL640163	490	23.8	0.4	50	17	A2610578	A2610578	1M0435M24
C 418	24.2	0.4	44	12	BG117508	BG117508	602347636	491	23.8	0.4	50	13	BJ037907	BJ037907	BJ037907
C 419	24.2	0.4	45	9	AL645112	AL645112	AL645112	492	23.8	0.4	50	9	AL641482	AL641482	AL641482
C 420	24.2	0.4	45	12	BF525858	BF525858	602069777	493	23.8	0.4	50	17	A2645973	A2645973	2M0207102
C 421	24.2	0.4	45	12	BF337242	BF337242	602035050	494	23.8	0.4	50	17	A2664138	A2664138	2M0233H11
C 422	24.2	0.4	46	9	AL788203	AL788203	AL788203	495	23.8	0.4	50	10	AV964796	AV964796	AV964796
C 423	24.2	0.4	46	9	AL788203	AL788203	AL788203	C 496	23.8	0.4	50	17	A2339890	A2339890	1M0071105
C 424	24.2	0.4	46	13	BI256739	BI256739	602974296	497	23.8	0.4	50	17	TA281H08P	TA281H08P	TA281H08P
C 425	24.2	0.4	47	14	T25598	T25598	EST00624.1n	498	23.8	0.4	50	2	HSM003149	HSM003149	HSM003149
C 426	24.2	0.4	47	17	A24846795	A24846795	1M0315C23	C 499	23.8	0.4	50	13	BJ066995	BJ066995	BJ066995
C 427	24.2	0.4	48	9	AL628936	AL628936	AL628936	C 500	23.8	0.4	50	13	AL638585	AL638585	AL638585
C 428	24.2	0.4	48	17	A2477776	A2477776	1M0297124	C 501	23.8	0.4	50	12	RG426793	RG426793	602402967
C 429	24.2	0.4	49	9	AA254893	AA254893	mz78d07.1x	C 502	23.8	0.4	42	2	HSM001513	HSM001513	HSM001513
C 430	24.2	0.4	49	9	AA590547	AA590547	vi64b04.1x	503	23.8	0.4	42	9	AL786113	AL786113	AL786113
C 431	24.2	0.4	49	12	BF343486	BF343486	602017592	504	23.8	0.4	43	2	HSM003157	HSM003157	HSM003157
C 432	24.2	0.4	49	13	BI020256	BI020256	602855122	505	23.8	0.4	43	2	HSM010805	HSM010805	HSM010805
C 433	24.2	0.4	49	13	BI223339	BI223339	602944804	C 506	23.8	0.4	43	9	AL636541	AL636541	AL636541
C 434	24.2	0.4	49	13	BI858831	BI858831	603388748	507	23.8	0.4	45	12	BF691166	BF691166	BF691166
C 435	24.2	0.4	49	17	A2579577	A2579577	1M0367M09	508	23.8	0.4	45	12	RG6669979	RG6669979	RG6669979
C 436	24.2	0.4	50	9	AA617223	AA617223	vi79e05.1x	509	23.8	0.4	46	2	HSM001086	HSM001086	HSM001086
C 437	24.2	0.4	50	10	AW215755	AW215755	u099f10.1y	C 510	23.8	0.4	47	12	BF573975	BF573975	BF573975
C 438	24.2	0.4	50	13	EG256641	EG256641	602370419	511	23.8	0.4	47	17	AC481024	AC481024	1M0303C04
C 439	24.2	0.4	50	13	BI433940	BI433940	df1066006	512	23.8	0.4	48	14	BQ301244	BQ301244	hasp002x1
C 440	24.2	0.4	50	13	BQ662166	BQ662166	BJ062166	513	23.8	0.4	48	14	BQ301244	BQ301244	hasp002x1
C 441	24.2	0.4	50	14	BQ256372	BQ256372	NISC K001	C 514	23.8	0.4	50	9	AI282566	AI282566	AI282566
C 442	24.2	0.4	50	14	BQ65586	BQ65586	NISC f007	C 515	23.8	0.4	50	9	AA523789	AA523789	ni6ff12.s
C 443	24.2	0.4	50	14	BQ393428	BQ393428	NISC mq03	C 516	23.8	0.4	50	9	AL03P672	AL03P672	Homo sapi
C 444	24.2	0.4	51	17	A7486763	A7486763	1M0315A11	517	23.6	0.4	51	17	AL772951	AL772951	1M0564C08

C 518	23.6	0.4	32	2	HS0003156	Al038680 Homo sapi	C 591	23.2	0.4	28	17	A2833425	A2831425 2M0115P04
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C 520	23.6	0.4	35	17	A2785723	A2785723 2M0023H19	C 593	23.2	0.4	28	17	TA291A01Q	AL486613 T. brucei
C 521	23.6	0.4	37	9	AA972505	AA972505 op15C01.s	C 594	23.2	0.4	28	17	TA379D11P	AL497637 T. brucei
C 522	23.6	0.4	38	17	A2638883	A2638883 1M0499G05	C 595	23.2	0.4	29	17	A2389566	AZ389566 1M0150D21
C 523	23.6	0.4	40	2	HS0001841	Al037510 Homo sapi	C 596	23.2	0.4	29	17	A2414283	A2414283 1M0188G12
C 524	23.6	0.4	40	9	AL048404	AL048404 DKE2P586G	C 597	23.2	0.4	29	17	A2451930	A2451930 1M0251E05
C 525	23.6	0.4	40	17	A2391073	A2391073 1M0152124	C 598	23.2	0.4	29	17	A2468402	A2468402 1M0281G24
C 526	23.6	0.4	41	2	HS0002020	Al037689 Homo sapi	C 599	23.2	0.4	29	17	A2486793	A2486793 1M0315N21
C 527	23.6	0.4	41	10	AV742106	AV742106 AV742106	C 600	23.2	0.4	29	17	A2661709	A2661709 1M0540K20
C 528	23.6	0.4	42	10	AV847138	AV847138 AV847138	C 601	23.2	0.4	29	17	A2784208	A2784208 2M0266113
C 529	23.6	0.4	43	9	AL587884	AL587884 AL587884	C 602	23.2	0.4	29	17	A2806470	A2806470 2M0266B02
C 530	23.6	0.4	43	13	BJ034348	BJ034348 BJ034348	C 603	23.2	0.4	29	17	A2812242	A2812242 2M0078J15
C 531	23.6	0.4	43	17	A2638328	A2638328 1M0498I10	C 604	23.2	0.4	29	17	A2868731	A2868731 2M0180L02
C 532	23.6	0.4	44	10	AV967414	AV967414 AV967414	C 605	23.2	0.4	29	17	TA334G09Q	Al491918 T. brucei
C 533	23.6	0.4	44	17	AL760205	AL760205 Arabidops	C 606	23.2	0.4	30	2	HS0003126	Al038650 Homo sapi
C 534	23.6	0.4	45	9	AL795414	AL795414 AL795414	C 607	23.2	0.4	30	12	BG666435	BG666435 DPACPC02
C 535	23.6	0.4	46	13	BG917265	BG917265 602816542	C 608	23.2	0.4	30	12	BG666435	BG666435 DPACPC02
C 536	23.6	0.4	47	9	AA545635	AA545635 VJ65H05.r	C 609	23.2	0.4	30	17	A2433322	A2433322 1M0099H17
C 537	23.6	0.4	49	9	AA853120	AA853120 NHTBCae03	C 610	23.2	0.4	30	17	A255741	A255741 1M0258D16
C 538	23.6	0.4	50	9	AJ500588	AJ500588 AJ500588	C 611	23.2	0.4	30	17	A2481739	A2481739 1M0306N12
C 539	23.6	0.4	50	9	AL587874	AL587874 AL587874	C 612	23.2	0.4	30	17	A2582114	A2582114 1M0374J17
C 540	23.6	0.4	50	9	AA574989	AA574989 vm34a03.r	C 613	23.2	0.4	31	2	HS0003598	Al039122 Homo sapi
C 541	23.6	0.4	50	9	AA574989	AA574989 vm34a03.r	C 614	23.2	0.4	31	10	AV9660178	AV9660178 AV9660178
C 542	23.6	0.4	50	13	BM569359	BM569359 KJ60B05.Y	C 615	23.2	0.4	31	17	A2333315	A2333315 1M0062A21
C 543	23.6	0.4	50	13	BM569359	BM569359 KJ60B05.Y	C 616	23.2	0.4	31	17	A2333315	A2333315 1M0062A21
C 544	23.6	0.4	51	17	A2510124	A2510124 1M0354K22	C 617	23.2	0.4	31	17	A2375973	A2375973 1M0125D08
C 545	23.6	0.4	55	17	A2664804	A2664804 1M0545H24	C 618	23.2	0.4	31	17	A2510092	A2510092 1M0354P14
C 546	23.6	0.4	56	17	A2641486	A2641486 1M0504J06	C 619	23.2	0.4	31	17	A2597046	A2597046 1M0410K08
C 547	23.6	0.4	56	17	A2666145	A2666145 1M0548C02	C 620	23.2	0.4	31	17	A2623538	A2623538 1M0461G21
C 548	23.6	0.4	56	17	A2771239	A2771239 1M0573F15	C 621	23.2	0.4	31	17	A2778697	A2778697 2M0014C02
C 549	23.6	0.4	56	17	A239813	A239813 2M0198P23	C 622	23.2	0.4	31	17	A2821215	A2821215 2M0093F21
C 550	23.6	0.4	57	17	A2655531	A2655531 1M0530L03	C 623	23.2	0.4	31	17	A2826618	A2826618 2M0102C19
C 551	23.6	0.4	57	17	A2862643	A2862643 2M0170J19	C 624	23.2	0.4	32	17	A2314322	A2314322 1M0031N05
C 552	23.6	0.4	58	9	AL048439	AL048439 DKE2P586I	C 625	23.2	0.4	32	17	A2397471	A2397471 1M0162P23
C 553	23.6	0.4	58	13	BJ078010	BJ078010 BJO78010	C 626	23.2	0.4	32	17	A2403441	A2403441 1M0166C14
C 554	23.6	0.4	58	13	AV743346	AV743346 AV743346	C 627	23.2	0.4	32	17	DR1F7S	Al039122 Homo sapi
C 555	23.6	0.4	58	14	R38731	R38731 YQ03906.s1	C 628	23.2	0.4	33	17	A2310096	AL733323 Dano rer
C 556	23.6	0.4	58	14	R38731	R38731 YQ03906.s1	C 629	23.2	0.4	33	17	BG513309	A2310096 1M0018B24
C 557	23.6	0.4	58	14	HS0001127	Al455502 T. brucei	C 630	23.2	0.4	34	12	BG513309	BG513309 602595A3
C 558	23.6	0.4	58	14	HS0001127	Al455502 T. brucei	C 631	23.2	0.4	35	9	AL642939	AL642939 AL642939
C 559	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 632	23.2	0.4	36	9	AL661444	AL661444 AL661444
C 560	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 633	23.2	0.4	36	10	AW059764	AW059764 LEAC03.V8
C 561	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 634	23.2	0.4	36	12	B876160	B876160 601485659
C 562	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 635	23.2	0.4	36	17	A2470916	A2470916 1M0285E23
C 563	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 636	23.2	0.4	36	17	A2628484	A2628484 1M0480E08
C 564	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 637	23.2	0.4	36	17	A2793484	A2793484 2M0046G15
C 565	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 638	23.2	0.4	36	17	A2949866	A2949866 2M0213H19
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C 567	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 640	23.2	0.4	37	9	AL648768	AL648768 DKE2P566M
C 568	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 641	23.2	0.4	37	9	AL587823	AL587823 AL587823
C 569	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 642	23.2	0.4	37	9	AL540286	AL540286 AL640286
C 570	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 643	23.2	0.4	37	9	AL660628	AL660628 AL660628
C 571	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 644	23.2	0.4	37	9	AL660628	AL660628 AL660628
C 572	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 645	23.2	0.4	37	12	BG033620	BG033620 602301748
C 573	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 646	23.2	0.4	37	12	BG430173	BG430173 602495159
C 574	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 647	23.2	0.4	37	17	A2323753	A2323753 1M0242P22
C 575	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 648	23.2	0.4	37	17	A2463801	A2463801 1M0275E23
C 576	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 649	23.2	0.4	38	2	HS0002269	A2831214 2M0110P16
C 577	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 650	23.2	0.4	38	2	HS0002269	Al037935 Homo sapi
C 578	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 651	23.2	0.4	38	2	HS0002269	Al037935 Homo sapi
C 579	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 652	23.2	0.4	38	2	HS0002269	Al038652 Homo sapi
C 580	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 653	23.2	0.4	38	9	AL793626	AL793626 AL793626
C 581	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 654	23.2	0.4	38	10	AW333985	AW333985 S28H9 AGS
C 582	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 655	23.2	0.4	38	12	BF525501	BF525501 602069592
C 583	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 656	23.2	0.4	38	17	A2785034	A2785034 2M0208106
C 584	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 657	23.2	0.4	39	9	AL660986	AL660986 AL660986
C 585	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 658	23.2	0.4	39	10	AW248768	AW248768 2850919 3
C 586	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 659	23.2	0.4	39	10	AW248768	AW248768 2850919 3
C 587	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 660	23.2	0.4	39	12	BF035623	BF035623 601434505
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C 589	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 662	23.2	0.4	39	17	BI694035	BI694035 603342221
C 590	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 663	23.2	0.4	39	17	BI694035	BI694035 603342221
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C 593	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 666	23.2	0.4	39	17	BI694035	BI694035 603342221
C 594	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 667	23.2	0.4	39	17	BI694035	BI694035 603342221
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C 596	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 669	23.2	0.4	39	17	BI694035	BI694035 603342221
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C 598	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 671	23.2	0.4	39	17	BI694035	BI694035 603342221
C 599	23.6	0.4	58	14	AL642939	AL642939 AL642939	C 672	23.2	0.4	39	17	BI694035	BI694035 603342221
C 600	23.6	0.4	58	14									

[illegible]

810	22.6	0.4	34	10	AM698832	AM698832 r440 non-	883	22.4	0.4	27	17	AZ580921	AZ580921 1M0369E24
811	22.6	0.4	34	12	BG531309	BG531309 602559543	884	22.4	0.4	27	17	AZ616094	AZ616094 1M0445E17
812	22.6	0.4	34	17	TA13806P	TA13806P 602559543	885	22.4	0.4	27	17	AZ663186	AZ663186 1M0460D12
813	22.6	0.4	37	9	AA918091	AA918091 602559543	886	22.4	0.4	27	17	AZ663784	AZ663784 1M0474C11
814	22.6	0.4	37	13	B039838	B039838 B039838	887	22.4	0.4	27	17	AZ776487	AZ776487 2M0010G08
815	22.6	0.4	37	17	AZ804190	AZ804190 2M0064P19	888	22.4	0.4	27	17	AZ809295	AZ809295 2M0073B15
816	22.6	0.4	38	17	AL766788	AL766788 Arabidops	889	22.4	0.4	27	17	AZ835B06P	AZ835B06P 2M0073B15
817	22.6	0.4	39	9	AL648316	AL648316 AL648316	890	22.4	0.4	27	17	AZ835B06P	AZ835B06P 2M0073B15
818	22.6	0.4	40	12	AL048404	AL048404 DKFZP586G	891	22.4	0.4	28	9	AU257468	AU257468 T. brucei
819	22.6	0.4	40	12	BF382039	BF382039 601816366	892	22.4	0.4	28	17	AZ358038	AZ358038 1M0100F05
820	22.6	0.4	40	17	AZ326980	AZ326980 1M0050A12	893	22.4	0.4	28	17	AZ481286	AZ481286 1M0303L24
821	22.6	0.4	40	17	AZ615880	AZ615880 1M0455L22	894	22.4	0.4	29	17	AZ819224	AZ819224 2M0091A19
822	22.6	0.4	42	13	B138662	B138662 EST-CD34N	895	22.4	0.4	31	17	TA244308P	TA244308P T. brucei
823	22.6	0.4	43	13	B039840	B039840 B039840	896	22.4	0.4	32	12	BG501238	BG501238 602547802
824	22.6	0.4	45	10	AV854173	AV854173 AV854173	897	22.4	0.4	32	12	BP032851	BP032851 601455689
825	22.6	0.4	45	13	B060342	B060342 B060342	898	22.4	0.4	32	14	P59306	P59306 yhl610.s1
826	22.6	0.4	45	17	AZ620771	AZ620771 1M0453E11	899	22.4	0.4	32	17	AZ451251	AZ451251 1M0250I05
827	22.6	0.4	46	13	B0615738	B0615738 B0615738	900	22.4	0.4	32	17	AZ627842	AZ627842 1M0374G03
828	22.6	0.4	47	12	BF107886	BF107886 601823895	901	22.4	0.4	33	13	B058891	B058891 R. r. 8881
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833	22.6	0.4	50	9	AJ500405	AJ500405 AJ500405	906	22.4	0.4	35	14	T50235	T50235 yhl612.s1
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837	22.6	0.4	52	17	AZ386491	AZ386491 1M0145D02	910	22.4	0.4	37	13	B054011	B054011 B054011
838	22.6	0.4	52	17	AZ390642	AZ390642 1M0152H07	911	22.4	0.4	37	17	TA115E07P	TA115E07P T. brucei
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840	22.6	0.4	52	17	AZ644621	AZ644621 1M0508F12	913	22.4	0.4	39	17	AZ655647	AZ655647 1M0530B17
841	22.6	0.4	54	17	AZ834990	AZ834990 2M0129A05	914	22.4	0.4	40	13	B060995	B060995 B060995
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847	22.6	0.4	54	17	TAJ54C06P	TAJ54C06P T. brucei	920	22.4	0.4	43	17	AZ827544	AZ827544 2M0104I03
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853	22.6	0.4	55	17	AZ344725	AZ344725 1M0078E24	926	22.4	0.4	49	10	AV834112	AV834112 AV834112
854	22.6	0.4	55	17	AZ350777	AZ350777 1M0088A04	927	22.4	0.4	49	10	AV947763	AV947763 AV947763
855	22.6	0.4	55	17	AZ381039	AZ381039 1M0137M18	928	22.4	0.4	49	12	BG172823	BG172823 602329028
856	22.6	0.4	55	17	AZ389458	AZ389458 1M0150B06	929	22.4	0.4	50	9	AI337715	AI337715 qw86h10.x
857	22.6	0.4	55	17	AZ609234	AZ609234 1M0433H19	930	22.4	0.4	50	9	AU106847	AU106847 AU106847
858	22.6	0.4	55	17	AZ623157	AZ623157 1M0460L02	931	22.4	0.4	50	9	AU267843	AU267843 AU267843
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862	22.6	0.4	55	17	TAJ324E10P	TAJ324E10P T. brucei	935	22.2	0.4	31	9	AU265883	AU265883 AU265883
863	22.6	0.4	56	9	AL587774	AL587774 AL587774	936	22.2	0.4	31	17	TA244G08P	TA244G08P T. brucei
864	22.6	0.4	56	10	AW327613	AW327613 dq01b09.y	937	22.2	0.4	32	14	RJ6114	RJ6114 ysl1f03.s2
865	22.6	0.4	56	17	AZ359871	AZ359871 1M0102H23	938	22.2	0.4	35	10	AV959278	AV959278 AV959278
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869	22.6	0.4	56	17	AZ593300	AZ593300 1M0404E16	942	22.2	0.4	37	9	AU266347	AU266347 AU266347
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879	22.6	0.4	57	17	AZ401672	AZ401672 1M0168K04	952	22.2	0.4	41	17	AZ784447	AZ784447 2M0027X24
880	22.6	0.4	57	17	AZ458228	AZ458228 1M0262C12	953	22.2	0.4	41	12	BG502943	BG502943 602556069
881	22.6	0.4	57	17	AZ486791	AZ486791 1M0315K21	954	22.2	0.4	44	10	AW332205	AW332205 S5510 AGS
882	22.6	0.4	57	17	AZ511894	AZ511894 1M0357E11	955	22.2	0.4	45	17	AZ634992	AZ634992 1M0491A08

















[illegible]



AVB33550/c  
LOCUS AVB33550 44 bp mRNA linear EST 22-JUN-2001  
DEFINITION vulgare shoots germination cDNA library: Hordeum vulgare subsp.  
clone bagslsc07, mRNA sequence  
Accession Number AVB33550 GI:14525639  
KEYWORDS EST:  
SOURCE Hordeum vulgare subsp. vulgare  
ORGANISM Hordeum vulgare subsp. vulgare  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta, Tracheophyta;  
Spermatophytas; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooideae;  
Triticeae; Hordeum.  
REFERENCE 1 (bases 1 to 44)  
AUTHORS Sato,K  
TITLE Barley EST sequencing project in NIG and Okayama Univ  
JOURNAL Unpublished (2001)  
COMMENT Contact Yasuhiko Sato  
Research Institute for Bioresources  
Okayama University, Barley Germplasm Center  
Chuo 3-20-1, Yurashiki, Okayama 719-0047, Japan  
Email: kazuhiroib.okayama-u.ac.jp,  
URL:http://www.rhb.okayama-u.ac.jp/barley/  
SATO,K , Saisho,D , Takeda,K , Shini,T and Kohara,Y Direct  
submission;  
database http://www.shigen.nig.ac.jp/barley/B barley.html.

FEATURES  
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/clone\_lrh="K Sato unpublished cDNA library: Hordeum  
vulgare subsp. vulgare shoots germination"  
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22 s - 0 c 22 g

BASE COUNT  
ORIGIN  
  
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Best Local Similarity 96 % Pred No. 4 le+05;  
Matches 37 Conservative 0 Mismatches 6 Indels 0 Gaps 0;

OY 1064 TTCTGTCGTCCATCCTCATCTGCATCGTTGGTGCTGCTGTTTTTTT 1106  
||||||| |||||  
EP 4 TCTGTCGTCCATCCTCATCTGCATCGTTGGTGCTGCTGTTTTTTT 1

RESULT 24  
A2974579  
LOCUS A2974579 44 bp tRNA linear GSM 17-AFP-2001  
DEFINITION clone UUGCGM0242A18 F DNA sequence.  
Accession Number A2974579 GI:13945906  
KEYWORDS GSS:  
SOURCE house mouse.  
ORGANISM Mus musculus  
Muscarysta; Metazoa; Chordata, Craniata, Vertebrata; Euteleostomi.  
Mammalia; Eutheria; Rodentia, Sciurognathi, Muridae; Murinae; Mus.  
1 (bases 1 to 44)

REFERENCE  
Dunn,D., Ayagi,A., Barber,M., Reardon,T., Duval,R., Hamil,C.,  
Islam,H., Longacre,S., Mahmud,M., Meenen,E., Pedersen,T., Rilly  
M., Rose,M., Rose,P., Stokes-P., Tingey,A., von Niederhausern,A.  
and Wright,D., Weiss,R.  
Mouse whole genome scaffolding with paired end reads from 10Xb  
plasmid inserts  
Unpublished (2000)  
Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20.S. 2010 E., Salt Lake City,  
UT 84112, USA

pWD43 [gib1473::l4] [gib1AF29072.1], a ccdB-numbered inducible derivative of plasmid p1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance." 20 c 0 g 18 t

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Query Match      0.6%; Score 33.2, DB 17, Length 38,
Best Local Similarity 92.1%; Pred. No. 4.8e+05;
Matches 35; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1065 TTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1102
DB 1 TTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 38

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RESULT 27	AZ776790	50 bp	DNA	linear	GSS 16.FEB.2001
LOCUS	AZ776790	Mouse 10kb	plasmid	JUGGIM	library Mus musculus genomic
DEFINITION	2MC0.0C114P	clone JUCGCM01.0C14	P,	DNA	sequence.
ACCESSION	AZ776790				
VERSION	AZ776790.1	GI:12904719			
KEYWORDS	GSS.				
SOURCE	house mouse.				
ORGANISM	Mus musculus				

REFERENCE  
1 (bases 1 to 50)  
AUTHORS  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus;  
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,  
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly  
M., Rose,P., Stokes,P., Tingey,A., von Niederhausern,A.  
and Wright,D. Weiss,R.  
TITLE  
Mouse whole genome scaffolding with paired end reads from 10kb  
plasmid inserts  
JOURNAL  
Unpublished (2000)  
COMMENT  
Contact: Robert B. Weiss  
University of Utah Genome Center

University of Oregon  
P.O. Box 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SUIC, UT  
84112, USA  
Tel.: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.uoregon.edu  
Insert Length: 10000 Std Error: 0.00  
Plate: 0010 row: C column: 14  
Seq primer: CACACAGGAAACAGCTATGACC  
Class: plasmid ends  
High quality sequence stop: 50.

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/clone.lib="Mouse 10kb plasmid UUCG1M library"
/sex="Male"
/lab.host="F. Coli strain XL10-Gold, Tl-resistant. F-"
/notes="Vector: PW042IV; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative

```







[illegible]



Best Local Similarity 91.9%; Pred. No. 7.1e+05;  
Matches 34; Conservative 0; Mismatches 3.

[illegible]

Search completed: March 11, 2003, 16:20:44  
Job time : 4650 secs

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AZ346663				
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DEFINITION	1M0082C01F	Mouse	clone	1M0082C01 F. DNA sequence.

ACCESSION	A2346663				
VERSION	A2346663.1	GI.10425900			
KEYWORDS	GSS.				
SOURCE	house mouse.				
ORGANISM	Mus musculus				
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.				
	1 (bases 1 to 37)				

**AUTHORS**

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,  
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Petersen, T., Reilly,  
M., Rose, M., Rose, P., Stokes, P., Tingey, A., von Niederhausern, A.,  
and Wright, D., Weiss, R.

**TITLE** Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

**JOURNAL** Unpublished (2000)

CONTACT: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Fm. 309, Biomedical Polymers Research Bldg , 20 S. 2030 E., SLC, UT  
84112, USA

Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0082 row: C column: 01  
 Seq primer: CGTGTAAACGACGGCCAGT  
 Class: plasmid ends  
 High quality sequence stop: 37.

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/clone.lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
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/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF123072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

```

BASE COUNT	0 a	18 c	0 g	19 t

Query Match	Score	DB	Length
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